



500.40274X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): T. AKIYAMA, et al

Serial No.: 09/884,091

Filed: June 20, 2001

For: DIGITAL MODULATION TYPE SIGNAL TRANSMISSION  
APPARATUS AND METHOD OF DISPLAYING RECEIVED  
SIGNAL IN THE SIGNAL TRANSMISSION APPARATUS

Group: 2637

Examiner: B. L. Deppe

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

April 8, 2005

Sir:

In the matter of the above-identified application, applicants are submitting herewith a copy of a communication from a foreign patent office in a counterpart foreign application and copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of either a final action or a notice of allowance and is accompanied by the following certification specified in 37 CFR §1.97(e):

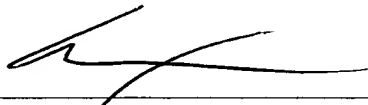
On information and belief, I hereby certify that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR §1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language version or translation of the foreign patent office report citing the documents.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (500.40274X00) please credit any excess fees to such deposit account.

Respectfully submitted,



CIB/jdc  
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Carl I. Brundidge  
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MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

**FORM PTO-1449** U.S. Department of  
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

500.40274X00

09/884,091

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT

T. AKIYAMA, et al

FILING DATE

June 20, 2001

GROUP

2637

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
2 0 0 1	1 4 8 6 7 6	5/01	Japan			XX	
1	0 3 3 6 1 4 1	12/98	Japan			XX	
8	8 4 1 6 6	3/96	Japan			XX	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	M. Takada, "Transmission Performance Depending on OFDM Symbol Duration and Scattered Pilot for Digital Terrestrial Broadcasting", The Institute of Image Information and Television Engineers, vol. 52, No. 11, pp. 1685-1665, 1998.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])